

**U.S. National Work Group
for the
Development of Commercial Hydrogen Measurement Standards
May 25, 2010**

**Joint Device Standards Subcommittee (DSS) and Fuel Specifications Subcommittee (FSS)
Tele/Web Conference Meeting**

AGENDA

Time: Tuesday, May 25, 2010/3:00 p.m. – 4:30 p.m. ET-USA & Canada (GMT - 05:00)

Meeting Name: H2 U.S. National Work Group, May 25, 2010 Tele/Web Conference Meeting

NOTE: Please log into the web site first. On the attendee list click on the telephone icon and have the system call your telephone number. If that process does not work dial the number and enter the pass code listed below.

To join the meeting online: <http://nist.na6.acrobat.com/hydrogen-usnwg/>

Call-In Telephone Number: 1-877-685-5350

Call-In Password: 908127

Audio Conference Only: *6 to MUTE or UNMUTE

This meeting is sponsored by the U.S. Department of Energy and U.S. Department of Commerce's National Institute of Standards and Technology.

Purpose: The U.S. National Work Group (USNWG) is meeting to continue its work to promote the establishment of a comprehensive set of (1) design, accuracy, installation, use, and method of sale requirements, (2) test procedures, and (3) quality standards for hydrogen fuel and equipment used in hydrogen measurements for vehicle and other refueling applications.

ATTACHMENTS:

Appendix A Summary of the April 2010 USNWG Meeting

Appendix B Preliminary USNWG's Responses to Input on the Draft Hydrogen Codes from the Fall 2009 Regional Weights and Measures Associations and USNWG (rev.3)

Appendix C Draft 5.0 of the NIST Handbook 44 Hydrogen Gas-Measuring Devices Code

Glossary of Acronyms			
ASTM	American Society of Testing and Materials International	MPa	megapascal
CaFCP	California Fuel Cell Partnership	NGV	Natural Gas Vehicle
CDFA DMS (also CADMS)	California Department of Food and Agriculture, Division of Measurement Standards	NHA	National Hydrogen Association
CSA	Canadian Standards Association, Incorporated	NIST	National Institute of Standards and Technology
DSS	Device Standards Subcommittee	NTP	Normal Temperature and Pressure
EPO 29	Draft Hydrogen Gas Retail Motor-Fuel Dispenser Examination Procedure Outline (EPO) 29	OEM	Original Equipment Manufacturer
FSS	Fuel Specifications Subcommittee	OIML	International Organization of Legal Metrology
HB 44	NIST Handbook 44 Specifications, Tolerances, and Other Technical Requirements for Weighing and Measuring Devices (2009)	OIML R 139	Recommendation for Compressed gaseous fuel measuring systems for vehicles
HB 130	NIST Handbook 130 Uniform Laws and Regulations in the Area of Legal Metrology and Engine Fuel Quality (2009)	RMFD	Retail Motor-Fuel Dispenser
HGV	Hydrogen Gas Vehicle	SAE	Society of Automotive Engineers
ISO	International Organization for Standardization	SI	International System of Units
MMQ	Minimum Measured Quantity	USNWG	U.S. National Work Group
MOS	Method of Sale		
This table is meant to assist the reader in the identification of acronyms used in this agenda and does not imply that these terms are used solely to identify these organizations or technical topics.			

AGENDA TOPICS

3:00 P.M. (ET)

(1) Welcome Current/New Members and Roll Call

New members of the USNWG and visitors will be welcomed, the meeting is called to order, time for roll call, and the meeting's purpose is reviewed. The collaborative work by the meeting's sponsors will be recognized. New participants will be invited to provide their name, affiliation, and state their specific area of interest in the work to develop hydrogen measurement standards.

(2) Administrative Business

The USNWG will discuss and decide on procedures for managing and documenting its technical work. The following item(s) will be addressed:

(a) Approve the Summary of the April 27, 2010 USNWG Meeting

A draft summary (see Appendix A) of the April 27, 2010 tele/web conference meeting was emailed on May 21, 2010 to the group for its review. The USNWG was asked to review, compile any comments, and be ready to vote on the approval of the summary by the upcoming May 25, 2010 tele/web conference meeting.

(b) Agenda Updates for May 2010

(3) Opportunity for Reports on Related Activities

The USNWG is working to harmonize, wherever possible, with related standards to encourage uniformity and to avoid contradictory requirements and trade barriers for U.S. industry. The USNWG Subcommittees will receive updates on work by organizations such as ASTM, CaFCP, DMS, NHA, OIML, SAE and other related activities as their work continues to progress.

(a) NHA

NHA Hydrogen Conference and Expo was held May 3-6, 2010 in Long Beach, CA. USNWG members participating in the May 25th tele/web conference will be asked to report on their observations (trends, transition, commercialization, etc.).

(4) Development of Device Standards and Test Procedures for Commercial Hydrogen Measurement

(a) Remaining Comments on the Draft Hydrogen Codes/USNWG Input to the July 2010 National Conference on Weights and Measures (NCWM)

In preparation for input to the July 11-15, 2010 NCWM, the USNWG will continue its discussions to address comments (see Appendix B) received on the draft hydrogen codes (see Appendix C) from the U. S. regional weights and measures associations that met fall 2009 and USNWG members.

On April 27, the USNWG agreed to a May 25, 2010 tele/web conference meeting as part of its strategy for addressing the remaining comments on the draft hydrogen code in Group [4] and Group [LOD]. These groups represent comments which may need further research and work to resolve.

Comments in Group [LOD] were left open for USNWG discussion. The USNWG may wish to examine whether or not these requirements, which also exist in corresponding measuring devices codes, are necessary for hydrogen dispensers. To expedite the USNWG review process the three Comments in the [LOD] Group became part of Comments in Group [4].

(5) Next Steps/Tasks

The USNWG will discuss the next round of discussions to address comments on the draft hydrogen codes, other upcoming events, and the next steps in the weights and measures standards development process that might affect its work to fully develop hydrogen measurement standards and test procedures. Projects, strategies, and target dates will also be identified to ensure that the USNWG meets its goals.

(6) Next Meeting

The USNWG has no additional tele/web conference or in-person meetings scheduled for 2010, but should discuss the necessity of a session before July 2010.

4:30 P.M. (ET) Meeting Adjourns